



KARNATAKA TEST HOUSE PVT LTD.

MATERIAL TESTING LABORATORY

NABL Accredited Laboratory as per ISO/IEC 17025



Report No. : KTH/F.AGG/741-1032/2013-2014

Date: 26.07.2013

TEST REPORT ON AGGREGATE (Fine Aggregate)

Name of the Customer* : **The Assistant Executive Engineer,**
Shettyhalli Sub Division,
BBMP, Dasarahalli Zone.

Name of the Project* : Construction of RCC drain opp.to Anjaneya Temple Abbigere Village,
in Ward No.12, in Shettyhalli Sub Division.

Name of Contractor* : The Technical Manager (West),
M/s. KRIDL.

Source of Sample : Supplied by the Contractor.

Sample Received on : 22.07.2013.

Technical Reference : IS : 2386 Part I to VIII- 1963 (Reaffirmed-2002), IS : 383 - 1970.

Sieve Analysis of Fine Aggregate

Sl. No.	Sieve size mm	% Passing	IS : 383 - 1970 Specification				Remarks
			% passing for Zone I	% passing for Zone II	% passing for Zone III	% Passing for Zone IV	
1	10	100	100	100	100	100	Falls in Zone -II as per table 4 of IS-383 - 1970.
2	4.75	96.3	90 - 100	90 - 100	90 - 100	95 - 100	
3	2.36	80.7	60 - 95	75 - 100	85 - 100	95 - 100	
4	1.18	65.2	30 - 70	55 - 90	75 - 100	90 - 100	
5	0.600	39.1	15 - 34	35 - 59	60 - 79	80 - 100	
6	0.300	13.4	5 - 20	8 - 30	12 - 40	15 to 50	
7	0.150	1.9	0 - 10	0 - 10	0 - 10	0 to 15	

Sl. No.	Test Conducted	Results	IS : 383 - 1970 Stipulations
1.	Silt Content (%)	2.50	-

AE. W-12 * As furnished by the Customer

For KARNATAKA TEST HOUSE PVT. LTD.

ಶ್ರೀಮತಿ. ಅಶ್ವಿನಿ. ಬಸವಯ್ಯ
ಇವರ ಬೆಂಗಳೂರು ವಾಸಾಂಗಡೆ



(Signature)
(SREENIVASA.C)
TECHNICAL MANAGER

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2) The results listed refer only to the tested samples and applicable parameters.

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Report No. : KTH/C.AGG/741-1032/2013-2014

Date: 26.07.2013

TEST REPORT ON AGGREGATE (Coarse Aggregate)

Name of the Customer* : The Assistant Executive Engineer,
Shettyhalli Sub Division,
BBMP, Dasarahalli Zone.

Name of the Project* : Construction of RCC drain opp.to Anjaneya Temple Abbigere Village,
in Ward No.12, in Shettyhalli Sub Division.

Name of Contractor* : The Technical Manager (West),
M/s. KRIDL.

Source of Sample : Supplied by the Contractor.

Sample Received on : 22.07.2013.

Technical Reference : IS : 2386 Part I to VIII- 1963 (Reaffirmed-2002), IS : 383 - 1970.

Sieve Analysis of Coarse Aggregate - 20mm

Sl. No.	Sieve size mm	% Passing	IS : 383-1970 Stipulations		Remarks
			Single Size	Graded Size	
1	40	100	100	100	Sample confirms to Single size of IS: Stipulation of 20mm size Aggregate
2	20	88.7	85 to 100	95 to 100	
3	16	46.2	-	-	
4	10	8.9	0 to 20	25 to 55	
5	4.75	1.3	0 to 5	0 to 10	

Sl. No.	Test Conducted	Identification mm	Results %	IS : 383 - 1970 Stipulations
1	Flakiness Index	20	8.56	Not specified
2	Elongation Index	20	10.72	Not specified
3	Crushing Value	20	23.80	Shall not be more than 45% for Concrete and 30% for Wearing surfaces, such as runways, roads and pavements.

* As furnished by the Customer

ನವೀನ ಕಾರ್ಪೊರೇಷನ್ ಪ್ರೈವೇಟ್ ಲಿಮಿಟೆಡ್
ಬೆಂಗಳೂರು, ಕರ್ನಾಟಕ
ಇವರಿಗೆ ಪೂರೈಕೆಯಾದ ಮಾದರಿಗಳು



For KARNATAKA TEST HOUSE PVT. LTD.

(Signature)
(SREENIVASA.C)
TECHNICAL MANAGER

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778/44, Gokul 1st Stage, 2nd Phase, 8th Cross, Triveni Road, Yeshwanthpur, Bangalore - 560 054.
Tel: 23378383 Telefax : 23375326, E-mail : kthblr@gmail.com Website : www.karnatakatesthouse.com



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MATERIAL TESTING LABORATORY

NABL Accredited Laboratory as per ISO/IEC 17025



Date: 26.07.2013

Report No. : KTH/C.AGG/741-1032a/2013-2014

TEST REPORT ON AGGREGATE (Coarse Aggregate)

Name of the Customer* : The Assistant Executive Engineer,
Shettyhalli Sub Division,
BBMP, Dasarahalli Zone.

Name of the Project* : Construction of RCC drain opp.to Anjaneya Temple Abbigere Village,
in Ward No.12, in Shettyhalli Sub Division.

Name of Contractor* : The Technical Manager (West),
M/s. KRIDL.

Source of Sample : Supplied by the Contractor.

Sample Received on : 22.07.2013.

Technical Reference : IS : 2386 Part I to VIII- 1963 (Reaffirmed-2002), IS : 383 - 1970.

Sieve Analysis of Coarse Aggregate - 40mm & down size

Sl. No.	Sieve size mm	% Passing	IS : 383-1970 Stipulations		Remarks
			Single Size	Graded Size	
1	63	100	100	100	Sample confirms to Single Size for IS: Stipulation of 40mm size Aggregate
2	40	86.3	85 to 100	95 to 100	
3	20	12.3	0 to 20	30 to 70	
4	12.5	-	0 to 20	-	
5	10	-	0 to 5	10 to 35	
6	4.75	-	-	0 to 5	

Sl. No.	Test Conducted	Identification mm	Results	IS : 383 - 1970 Stipulations
1	Flakiness Index (%)	40	14.65	Not specified
2	Elongation Index (%)	40	15.92	Not specified
3	Impact Value (%)	40	24.16	Shall not be more than 45% for Concrete and 30% for Wearing surfaces, such as runways, roads and pavements.

ಸಹಾಯಕ ಪರೀಕ್ಷಾಧಿಕಾರಿ
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ಬೆಂಗಳೂರು
ಇವರಿಗೆ ಒದಗಿಸಿದ ಮಹತ್ವದ ಮಾಹಿತಿ

As furnished by the Customer



For KARNATAKA TEST HOUSE PVT. LTD.

(Signature)
(SREENIVASA.E.)
TECHNICAL MANAGER

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Date: 26.07.2013

Report No.: KTH/ST/741-1034/2013-2014

TEST REPORT ON STEEL BARS

Name of the Customer* : The Assistant Executive Engineer,
Shettyhalli Sub Division,
BBMP, Dasarahalli Zone.

Name of the Project* : Construction of RCC drain opp. to Anjaneya Temple Abbigere Village,
in Ward No.12, in Shettyhalli Sub Division.

Name of Contractor* : The Technical Manager (West),
M/s. KRIDL.

Source of Sample : Supplied by the Customer.

Sample Received on : 22.07.2013.

Nature of Sample* : Reinforcement steel – 8mm, 10mm & 12mm.

Technical Reference : Tensile IS: 1786 – 2008 & IS: 1608–1995 (Reaffirmed–2000)
Bend & Re-bend IS: 1786 – 2008 & IS: 1599 - 1985 (Reaffirmed–2000)

Grade of Steel* : Fe-500

TENSILE TEST :

Dia (mm)	8	10	12	Limits as per IS : 1786-2008, Gr. Fe 500
Make*	SAS	SOMANI	KAMADENU	
Weight / unit length (kg/m)	0.387	0.582	0.860	8mm – 0.367 Min 10mm – 0.574 Min 12mm – 0.844 Min
Yield Stress (N/mm ²)	524.69	542.38	553.66	500 Min
Tensile Strength (N/mm ²)	602.24	624.35	618.80	8% More than actual 0.2% proof stress but not less than 545 N/mm ²
% Elongation (on 5.65 AG.L)	22.0	21.5	24.0	12.0 Min.

BEND TEST :

Sl. No.	Dia (mm)	Mandrel diameter	Observations
1.	8	4 dia	No cracks observed. Passes the test.
2.	10	4 dia	No cracks observed. Passes the test.
3.	12	4 dia	No cracks observed. Passes the test.

REBEND TEST :

Sl. No.	Dia (mm)	Mandrel diameter	Observations
1.	8	5 dia	No cracks observed. Passes the test.
2.	10	5 dia	No cracks observed. Passes the test.
3.	12	7 dia	No cracks observed. Passes the test.

ಸಹಾಯಕ ಕಾರ್ಯದರ್ಶಿ, ಮಹಾನಗರ ಪಾಲಿಕೆ, ದಸರಾಹಳ್ಳಿ ಒಂಟೆ, ಬೆಂಗಳೂರು

* As furnished by the Customer



For KARNATAKA TEST HOUSE PVT. LTD.

(SREENIVASA.C.)

TECHNICAL MANAGER

778/44, Gokul 1st Stage, 2nd Phase, 8th Cross, Triveni Road, Yeshwanthpur, Bangalore - 560 054.
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Report No. : KTH/ CEMENT /741-1033/2013-2014

Date: 31.07.2013

PHYSICAL TEST REPORT ON CEMENT

Interim 3 & 7 days

Name of the Customer* : **The Assistant Executive Engineer,**
Shettyhalli Sub Division,
BBMP, Dasarahalli Zone.

Name of the Project* : Construction of RCC drain opp.to Anjaneya Temple Abbigere Village,
in Ward No.12, in Shettyhalli Sub Division.

Name of Contractor* : The Technical Manager (West),
M/s. KRIDL.

Source of Sample : Supplied by the Contractor.

Type of Cement* : Ordinary Portland cement (OPC)

Brand of Cement* : Birla Super 53 Grade.

Sample Received on : 22.07.2013.

Period of Test : 23.07.2013 to 30.07.2013.

Technical Reference : IS: 4031(Part I-VI) 1988 (Reaffirmed-2000) & IS: 12269-1987.

Sl. No.	Test Conducted	Results	IS : 12269-1987 Stipulation	Remarks
1	Normal consistency	29.0%	Not specified	-
2	Initial setting time	175 minutes	Shall not be less than 30 minutes	P
3	Final setting time	258 minutes	Shall not be more than 600 minutes	P
4	Compressive strength (Average of three results) a. $72 \pm 1h$ (3 days) b. $168 \pm 2h$ (7 days) c. $672 \pm 4h$ (28 days)	28.85 MPa 40.29 MPa T.T.C	Shall not be less than 27.0 MPa Shall not be less than 37.0 MPa Shall not be less than 53.0 MPa	P P -
5	Fineness (By Blaine's air permeability method)	301.44 m ² /kg	Shall not be less than 225 m ² /kg	P
6	Soundness (Le-chatlier's method)	1.00 mm	Shall not be more than 10 mm	P

P: Passes IS requirement

F: Fails IS requirement

T.T.C: Test To be Conducted.

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For KARNATAKA TEST HOUSE PVT. LTD.



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